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5/21/03
PATENT APPLICATION *D. J. Brown*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q62299

Katsuhiko TOMITA

Appln. No.: 09/750,357

Group Art Unit: 1755

Confirmation No.: 6888

Examiner: Jennine M. BROWN

Filed: December 29, 2000

For: MOLECULAR RECOGNITION TYPE CHEMICAL CCD

AMENDMENT UNDER 37 C.F.R. § 1.111

MAIL STOP NON-FEE AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated February 27, 2003, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

1. (ONCE AMENDED) A molecular recognition type chemical CCD comprising:
a chemical CCD having a plurality of potential wells constituted to change a depth
corresponding to a chemical quantity, and being arranged two-dimensionally, in which electric
charges are injected into the potential wells and the chemical quantity is converted into an
electric charge corresponding to the sizes of the potential wells;

A1
a molecular recognition layer formed on a sensor face of a chemical CCD, said molecules
recognition layer selectively capture molecular of certain chemical substances.

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GROUP 1700